

Message

From: Strynar, Mark [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=5A9910D5B38E471497BD875FD329A20A-STRYNAR, MARK]
Sent: 3/22/2019 11:40:33 AM
To: Hurlbut, Daniel B. [Hurlbut.Daniel@epa.gov]
Subject: RE: Exact Mass Measurement on QTof

One thing I failed to mention many standards for these Chemours specific PFAS have been shared with us, NC State and R4 by Chemours. I think you should request them as well if you don't have them.

You can get commercially available HFPO-DA (Synquest or Wellington Labs) and PFMOAA-Na salt (Fluoryx). Synquest is making Nafion BP2, and I think PFO3OA and PFO4DA but is not yet ready. Chemours has all of these and more.

Mark

From: Hurlbut, Daniel B.
Sent: Thursday, March 21, 2019 5:00 PM
To: Strynar, Mark <Strynar.Mark@epa.gov>
Subject: FW: Exact Mass Measurement on QTof

Hey Mark,

How are you doing? We have recovered from last week's blizzard and will be reaching a balmy 60 oF by Friday. What a difference a week makes.

I have a question, rather I'm looking for feedback. We will doing PFAS analyses in the next few weeks, and we are looking to use our Q-ToF system to tentatively identify PFAS compounds in which no reference material is currently available, using accurate mass data. Our QA officer was wondering if other EPA labs do this, which promoted his question in the email below. Could you provide any input on if your lab does compound confirmation without having reference material, and using exact/accurate mass evaluations.

Thank you for your help

Dan

From: Krawczeniuk, Adrian
Sent: Thursday, March 21, 2019 1:26 PM
To: Hurlbut, Daniel B. <Hurlbut.Daniel@epa.gov>; Volz, Stephanie <Volz.Stephania@epa.gov>
Subject: Exact Mass Measurement on QTof

Dan & Stephanie,

I was thinking about the discussion we had regarding exact mass determinations on the qTof and confirming a compound without a certified reference material. What do other EPA labs do regarding conformation when using exact mass determinations?